

and light colors appear light.

AP 20 Rec'd PCT/PTO 20 DEC 2005

In the case of the display mode in the above document, since the device scales down the image for full-screen display to fit the window size, characteristics of the image colors appear weakened, making it impossible to accurately perceive the colors.

In view of this, an object of the present invention is to provide an image display device which can perform color adjustment using a display mode which suppresses the occurrence of color contrast phenomena.

DISCLOSURE OF THE INVENTION

An image display device which achieves the above object is for receiving image signals and displaying an image, and includes a determining unit operable to determine a boundary position for dividing a displayed screen vertically or horizontally into a first area and a second area; a first display unit operable to specify, based on the boundary position, image signals pertaining to part of the image to be displayed in the first area, to convert a color attribute of said image signals, and to display the part of the image in the first area based on the converted image signals; and a second display unit operable to specify, based on the boundary position, image signals pertaining to a remaining part of the image to be displayed in the second area, and to display the remaining part of the image in the second area based on said image signals before or after converting a color attribute thereof.

CLAIMS

1. An image display device for receiving image signals and displaying an image, comprising:

5 a determining unit operable to determine a boundary position for dividing a displayed screen vertically or horizontally into a first area and a second area;

a first display unit operable to specify, based on the boundary position, image signals pertaining to part of the image to be displayed in the first area, to convert a color attribute of said image signals, and to display the part of the image in the first area based on said converted image signals; and

10 a second display unit operable to specify, based on the boundary position, image signals pertaining to a remaining part of the image to be displayed in the second area, and to display the remaining part of the image in the second area based on said image signals before or after converting a color attribute thereof.

20 2. The image display device of claim 1, wherein

the first display unit includes a table storage subunit operable to store therein a color conversion table which maps a same value or a different value for each of a plurality of possible pixel values of image signals, and

25 each pixel value pertaining to the part of the image to be displayed in the first area is converted to a corresponding value in accordance with the color conversion table.

determining a boundary position for dividing a displayed screen vertically or horizontally into a first area and a second area;

5 specifying, based on the boundary position, image signals pertaining to part of the image to be displayed in the first area, converting a color attribute of said image signals, and displaying the part of the image in the first area based on said converted image signals; and

10 specifying, based on the boundary position, image signals pertaining to a remaining part of the image to be displayed in the second area, and displaying the remaining part of the image in the second area based on said image signals before or after converting a color attribute thereof.

15